

Title (en)  
APPARATUS FOR EXTRACORPOREAL BLOOD TREATMENT

Title (de)  
VORRICHTUNG ZUR EXTRAKORPORALEN BLUTBEHANDLUNG

Title (fr)  
APPAREIL POUR TRAITEMENT SANGUIN EXTRACORPOREL

Publication  
**EP 3731893 B1 20231004 (EN)**

Application  
**EP 18833661 A 20181221**

Priority  
• EP 17211159 A 20171229  
• EP 2018086631 W 20181221

Abstract (en)  
[origin: EP3505200A1] An apparatus (1) for CRRT is provided comprising a blood circuit (10, 20, 30, 60) with a blood removal line (20), a treatment unit (10), and a blood return line (30). A replacement fluid container (78) is configured for containing a medical fluid, a pre-infusion line (70) has a first end (70-1) connected to the replacement fluid container (78) and a second end (70-2) connected to the blood removal line (20) and a blood pump (22) is active on the blood circuit. A replacement fluid pump (72) is active on the pre-infusion line (70), a dialysate circuit (40, 50, 70) comprises an effluent line (50) configured for discharging fluid from the second chamber, and a control unit (80) is connected to the replacement fluid pump (72) and to the blood pump (22) and is configured for performing a rinse-back procedure for restituting blood to a patient. The rinse-back procedure comprises conveying blood contained in the blood circuit (10, 20, 30, 60) towards the second end (30-2) of the blood return line (30) using the medical fluid.

IPC 8 full level  
**A61M 1/34** (2006.01); **A61M 1/36** (2006.01)

CPC (source: EP KR US)  
**A61M 1/3431** (2014.02 - EP KR US); **A61M 1/3607** (2013.01 - KR US); **A61M 1/3623** (2022.05 - EP KR US); **A61M 1/3626** (2013.01 - KR US); **A61M 1/3627** (2013.01 - KR); **A61M 1/3646** (2014.02 - EP KR US); **A61M 1/3649** (2014.02 - KR US); **A61M 1/365** (2014.02 - KR US); **A61M 60/113** (2021.01 - KR US); **A61M 1/3627** (2013.01 - US); **A61M 1/3649** (2014.02 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3505200 A1 20190703**; **EP 3505200 B1 20200909**; AU 2018397260 A1 20200709; AU 2018397260 A2 20200730; BR 112020013371 A2 20210223; CN 111542353 A 20200814; CN 111542353 B 20240405; CN 118121788 A 20240604; EP 3731893 A1 20201104; EP 3731893 B1 20231004; JP 2021508505 A 20210311; JP 6970297 B2 20211124; KR 102630474 B1 20240129; KR 20200105873 A 20200909; PL 3731893 T3 20240304; US 11951295 B2 20240409; US 2021023283 A1 20210128; WO 2019129719 A1 20190704

DOCDB simple family (application)  
**EP 17211159 A 20171229**; AU 2018397260 A 20181221; BR 112020013371 A 20181221; CN 201880084801 A 20181221; CN 202410314296 A 20181221; EP 18833661 A 20181221; EP 2018086631 W 20181221; JP 2020526330 A 20181221; KR 20207022021 A 20181221; PL 18833661 T 20181221; US 201816957889 A 20181221